

Next 3 Page(s) In Document Exempt

*Communication Facilities  
Moscow, USSR*



PRODUCED BY PHOTOGRAPHIC INTELLIGENCE DIVISION / CIA

TOP SECRET RUFF

TCS 1895

HANDLE VIA  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

~~TOP SECRET RUFF~~

Declass Review by NIMA/DOD

TCS 1895/65  
M/EB 47/65  
18 February 1965  
Copy 1

MEMORANDUM FOR: Chief, Defensive Systems Division, OSI  
ATTENTION: [REDACTED] Air Defense Branch 25X1A  
THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS  
FROM: Chief, Photographic Intelligence Division, CIA  
SUBJECT: Communication Facilities at Moscow, USSR  
REFERENCES: (a) Requirement C-614-81,613  
(b) CIA/PID Project 30002-5  
(c) Report NPIC/R-150/62  
(d) Report PIC/JR-8/59

1. This memorandum is in response to your requirement dated 20 July 1964 which request a brief description and photograph of all HF communication stations observed within a 50 nautical mile radius of Moscow. A basic PI report PIC/JR 8/59 was used as general reference during the work.

25X1D 2. KEYHOLE [REDACTED], provided excellent quality stereoscopic coverage of the Moscow area. A total of 47 communication facilities were observed on this photography. Collateral sources reported numerous additional communication facilities however, unless positive identification could be made on the referenced KEYHOLE photography they were not included in the report.

3. The 47 communication facilities observed included one large multi-station facility containing four separate stations and three multi-station facilities containing three separate stations. Although, additional stations could exist at some of the remaining 43 facilities, a positive determination could not be made at this time.

4. Quantitative analysis revealed these 47 communication facilities contain a total of 827 antennas. These included 469 RHOMBIC antennas, 196 FISHBONE antennas, 72 lattice towers, 2 vertical radiators and a total of 88 dipoles and stick masts. In addition, there were 68 control buildings and at least 991 support buildings associated with the 47 communication facilities.

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

S-16416

S-16417

~~TOP SECRET RUFF~~

CONTROL SYSTEM ONLY

HANDLE VIA  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TOP SECRET RUFF

SUBJECT: Communication Facilities at Moscow, USSR

TCS 1895/65  
M/EB 47/65

25X1A

5. A master index of facilities may be found at the front of the enclosed binder. The photographs and information sheets, keyed to the index, are arranged numerically within the binder. The annotated enclosed at the back of the binder has corresponding numbers showing the approximate location of the 47 facilities.

6. The photo analyst on the project is [REDACTED] who may be contacted on extension 2079 should you have any further questions concerning this project.

7. This project is considered to be complete.

25X1A



Enclosure: (reference above)  
One 3-ring binder  
(CIA/PID/MEB-P-65/65) containing:  
1 Annotated map  
47 Information sheets  
47 Enlarged photographic prints

S-16416

S-16417

TOP SECRET RUFF

HANDLE VIA  
TALENT-KEYHOLE  
CONTROL SYSTEM ONLY

TOP SECRET RUFF

MOSCOW COMMUNICATION FACILITIES

- 1. KHOT'KOVO HF COMMO SITE
- 2. SOLNECHNOGORSK AREA HF COMMO SITE
- 3. MOSCOW/CHERNAYA HF COMMO SITE
- 4. SOLNECHNOGORSK AREA HF COMMO SITE
- 5. PUSHINO HF COMMO SITE
- 6. PUSHINO RADIO STATION
- 7. MOSCOW/SHERMET'YEVO A/F PROBABLE AIR-GROUND COMMO SITE
- 8. KRYUKOVO AREA HF COMMO SITE
- 9. MOSCOW RADIO STATION TARASOVKA
- 10. NIKOLSKOYE AREA HF COMMO SITE
- 11. BELYANINOVO RADIO STATION
- 12. MYTISCHI RADIO STATION
- 13. MOSCOW RADIO STATION SHCHELKOVO
- 14. MOSCOW/KHIMKI RADIO STATION
- 15. DEDOVSK RADIO STATION
- 16. NOGINSK RADIO STATION No. 2
- 17. NOGINSK RADIO STATION No. 1
- 18. OKTYABR'SKIY ANTENNA FARM
- 19. MOSCOW RADIO STATION
- 20. ELEKTROSTAL RADIO STATION/NOGINSK RADIO STATION No. 3
- 21. MOSCOW RADIO STATION
- 22. MOSCOW RADIO STATION
- 23. MOSCOW/CHERNOYE RADIO STATION

TOP SECRET RUFF

S-16416  
 S-16417

**TOP SECRET RUFF**MOSCOW COMMUNICATION FACILITIES

- 24. KUPAVNA ANTENNA FARM
- 25. NOLINSK RADIO STATION No. 4
- 26. MOSCOW TELEVISION TRANSMITTING STATION
- 27. TOLSTOPALTSEVO ANTENNA FARM
- 28. TEPLYY STAN ANTENNA FARM
- 29. MOSCOW RADIO STATION No. 16 (Bykovo)
- 30. GOLITSYNO AREA HF COMMO SITE
- 31. PEREDEL'TSY RADIO STATION
- 32. GOLITSYNO RADIO STATION
- 33. BIRYULEVO ANTENNA FARM
- 34. OREKHOVO-ZUYEVO HF COMMO SITE
- 35. KOMMUNARKA ANTENNA FARM / MOSCOW RADIO STATION No. 13
- 36. BUTOVO HF COMMO SITE
- 37. RAMENSKOYE AREA HF COMMO SITE
- 38. MOSCOW/VATUTINKI HF COMMO CENTER
- 39. DCOMEDOVO ANTENNA FARM
- 40. NARO-FOMINSK HF COMMO SITE
- 41. PODOL'SK AREA HF COMMO SITE
- 42. BELIYE STOLBY AREA MF COMMO SITE
- 43. PODOL'SK AREA HF COMMO SITE
- 44. BARYBINO HF COMMO SITE
- 45. BARYBINO AREA HF COMMO SITE
- 46. OBINSK AREA RADIO BROADCAST STATION
- 47. BARANTSEVO HF COMMO SITE

**TOP SECRET RUFF**

S-16416  
S-16417

**TOP SECRET RUFF**

CIA/PID/MEB-P-65/65  
Attachment to:  
TCS 1895/65  
M/EB 47/65

COMMUNICATION FACILITIES

MOSCOW U.S.S.R.

**TOP SECRET RUFF**

S-16416

S-16417

TOP SECRET RUFF

Installation

KHOT'KOVO HF COMMO SITE

Coordinates

5614N - 3759E

B.E.

Location

32 nm NE of Moscow

Description

This station consists of at least 25 rhombic antennas, four control buildings and at least 25 associated buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement

Prior Report

Item 1

20 x

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

KHOT'KOVO HF COMMO SITE

1



TOP SECRET CONT

S-16416  
 S-16417

TOP SECRET RUFF

Installation SOLNECHNOGORSK AREA HF COMMO SITE

Coordinates 5612N - 3652E B.E.

Location 36.5 km NW of Moscow

Description This station consists of 29 rhombic antennas, two dipole antennas, two control buildings and at least 20 associated buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement

Prior Report

Item 2

10 x

TOP SECRET RUFF

S-16416  
S-16417

SOLNECHNOGORSK AREA HF COMM SITE



S-16416  
FS-16417

TOP SECRET RUFF

Installation

MOSCOW/CHERNAYA HF COMMO SITE

Coordinates

5606N - 3734E

Location

21.5 nm North of Moscow

Description

This station consists of at least 24 rhombic antennas, a control building, two cooling ponds and at least 12 associated buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement: Prior Report

Item 3

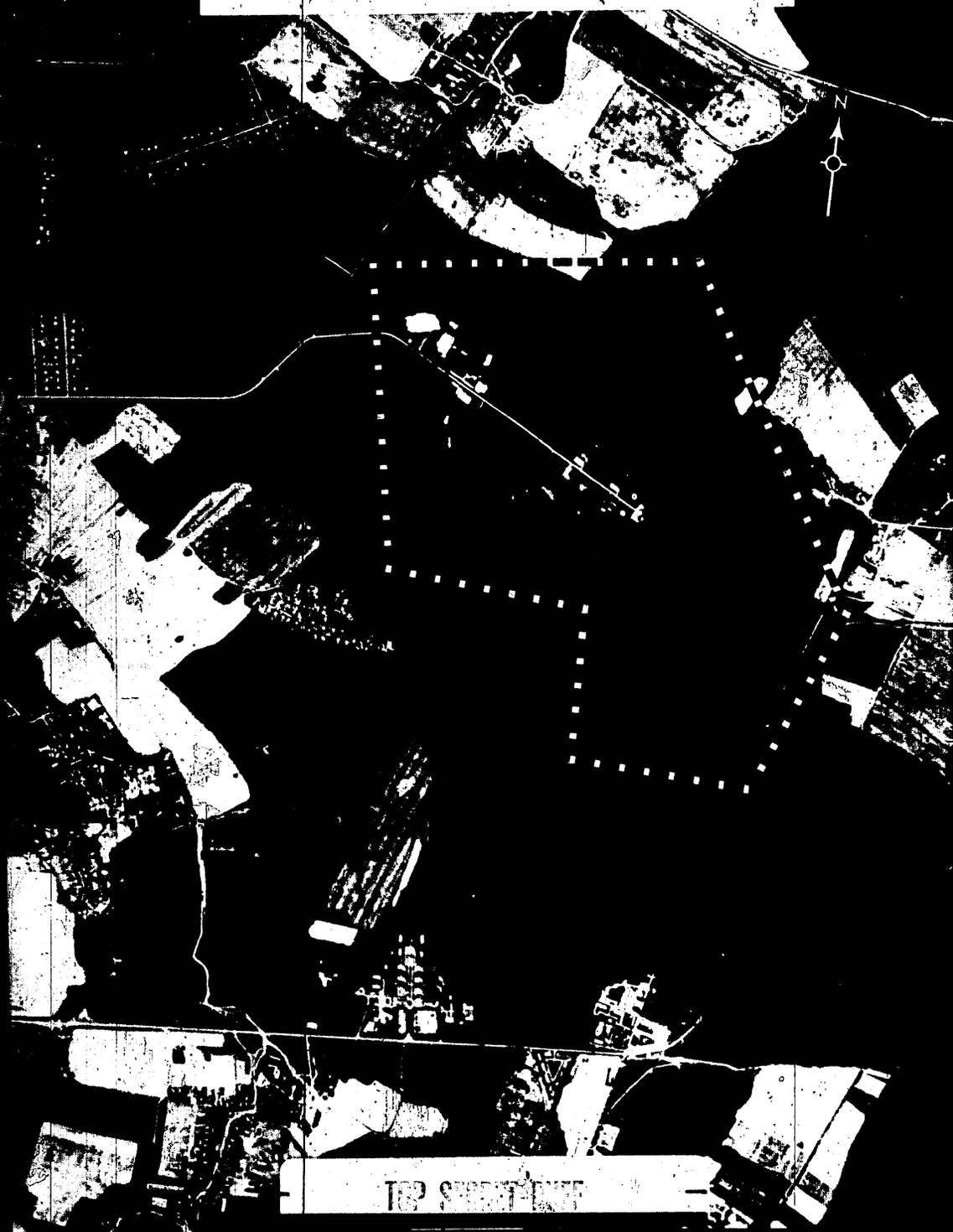
20 x

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW/CHERNAYA HF COMMO SITE

3



TOP SECRET

S-16416  
 S-16417

TOP SECRET RUFF

Installation

SOLNECHNOGORSK AREA HF COMMO SITE

Coordinates

5605N - 3706E

B.E.

Location

26.5 nm NW of Moscow

Description

This station consists of at least 33 rhombic antennas, two large control buildings, four cooling ponds and at least 25 support buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement

Prior Report

Item 4

10 x

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

4

SOLNECHNOGORSK AREA HF COMMO SITE



TOP SECRET COPY

S-16416  
S-16417

TOP SECRET RUFF

Installation

PUSHINO HF COMMO SITE

25X1A

Coordinates

5604N - 3755E

Location

22 nm NNE of Moscow

Description

This station consists of 42 lattice towers supporting a series of curtain arrays, at least 14 rhombic antennas, eight control buildings with cooling ponds, a power substation and a support area of at least 200 buildings

Photo Reference

25X1D

Map Reference

Item 5

Photo Enlargement

10 x

Prior Report

PIC/JR-8/59

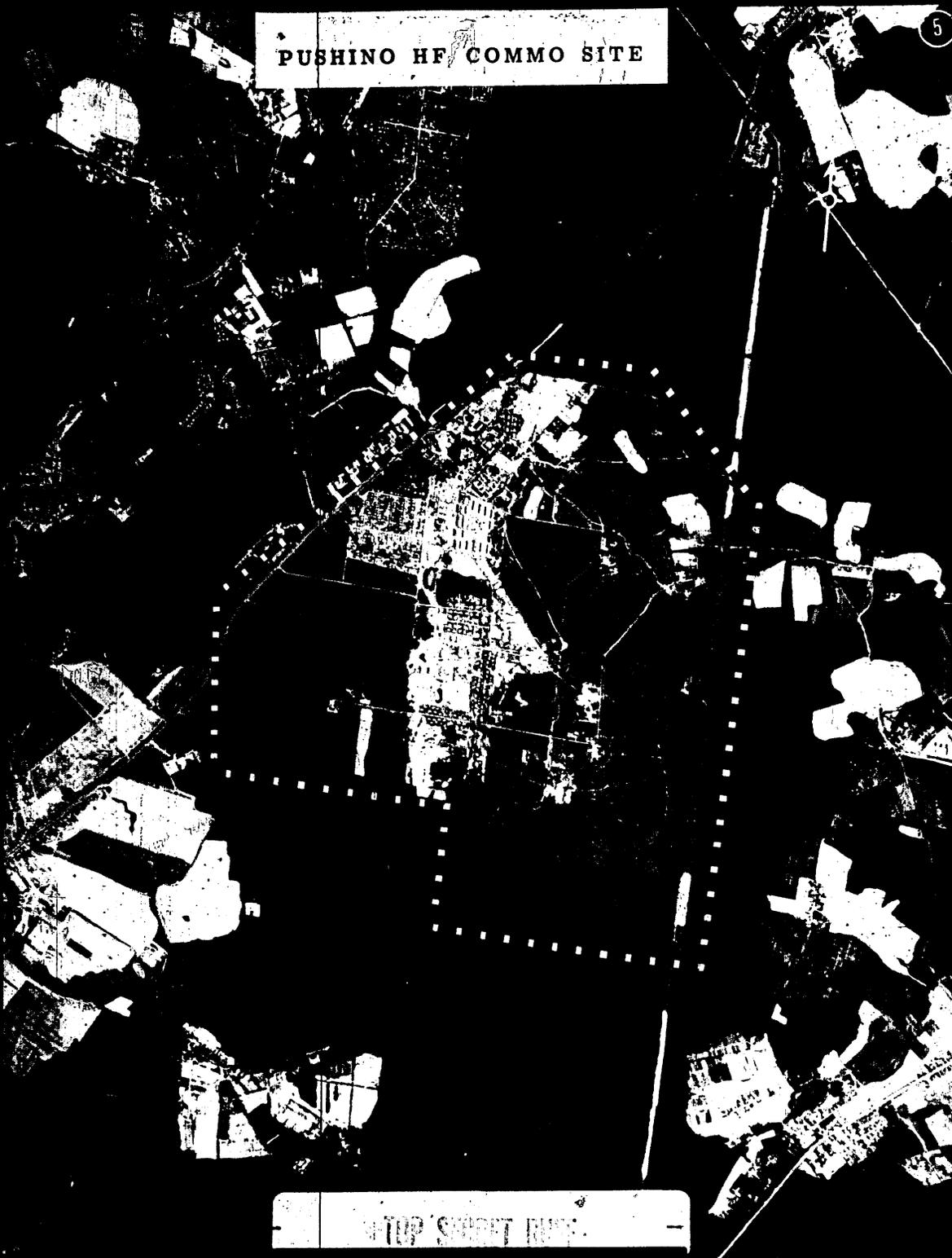
TOP SECRET RUFF

S-16416

S-16417

PUSHINO HF COMMO SITE

5



S-16416  
S-16417

TOP SECRET RUFF

Installation

PUSHINO RADIO STATION

25X1A

Coordinates

5603N - 3802E

Location

23 nm NE of Moscow

Description

This station consists of 22 rhombic antennas, at least 18 dipole antennas, two control buildings and 12 support buildings

25X1D

Photo Reference

Map Reference

Item 6

Photo Enlargement

20 x

Prior Report

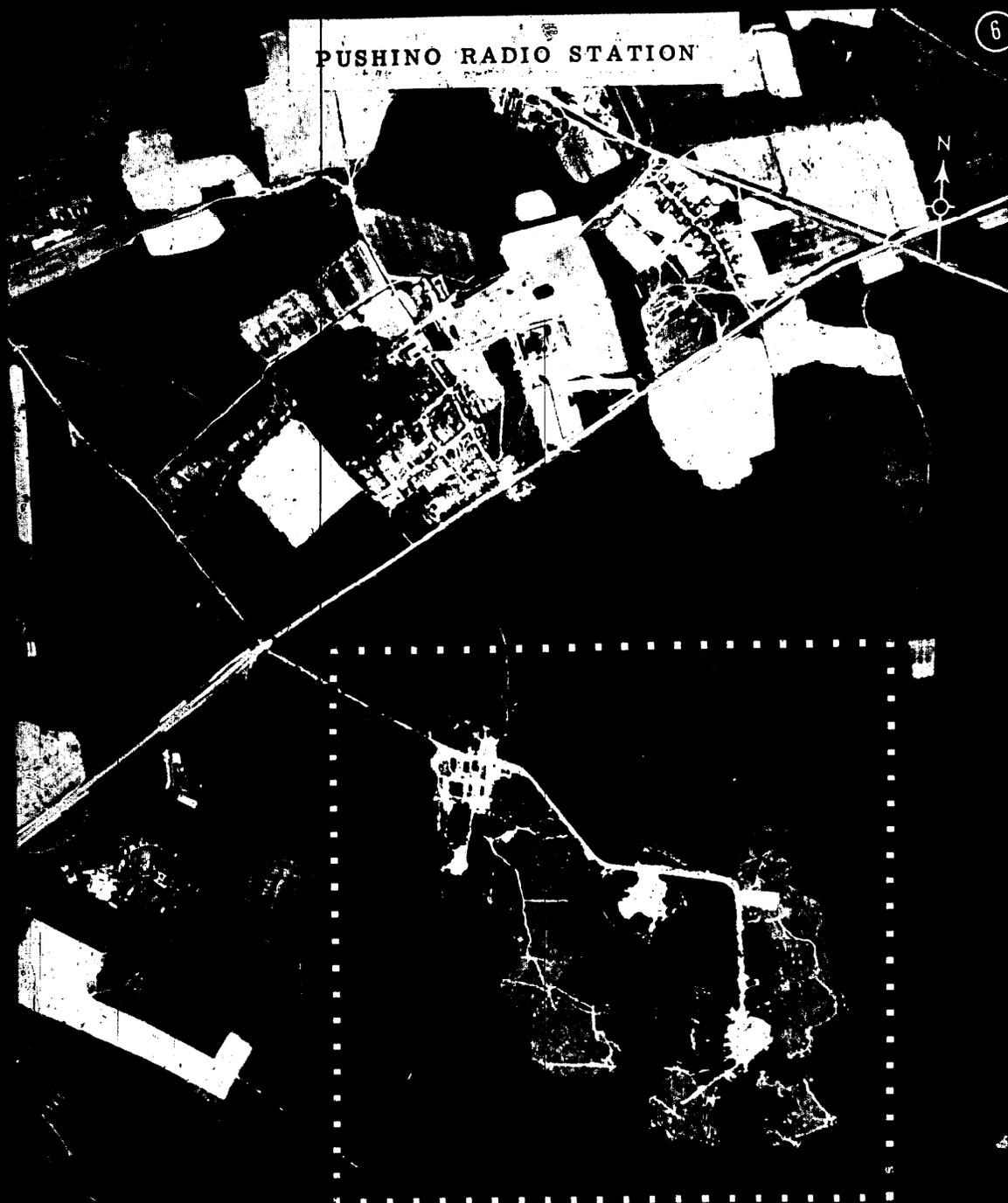
TOP SECRET RUFF

S-16416

S-16417

6

PUSHINO RADIO STATION



TOP SECRET

S-16416  
S-16417

TOP SECRET RUFF

Installation MOSCOW/SHERMET YEVO A/F PROBABLE AIR-GROUND COMMO SITE

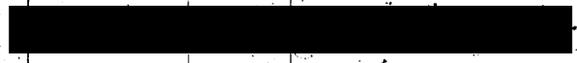
Coordinates 5601N - 3725E B.E.

Location 17 nm NNW of Moscow

Description This site consists of approximately 15 dipole antennas arranged in an arc around a centrally located control building. No support facilities visible in immediate area

25X1D

Photo Reference



Map Reference Item 7

Photo Enlargement 20 x

Prior Report

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW/SHERMET'YEVO A/F PROBABLE  
AIR-GROUND COMMO SITE

7



TOP SECRET 25X1D

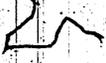
S-16416  
S-16417

TOP SECRET RUFF

Installation KRYUKOVO AREA HF COMMO SITE 25X1A

Coordinates 5559N - 3707E 

Location 23 nm NNW of Moscow

Description  This station consists of at least 27 rhombic antennas, two control buildings with cooling ponds and a support area containing approximately 30 buildings

25X1D

Photo Reference 

Map Reference

Item 8

Photo Enlargement

10 x

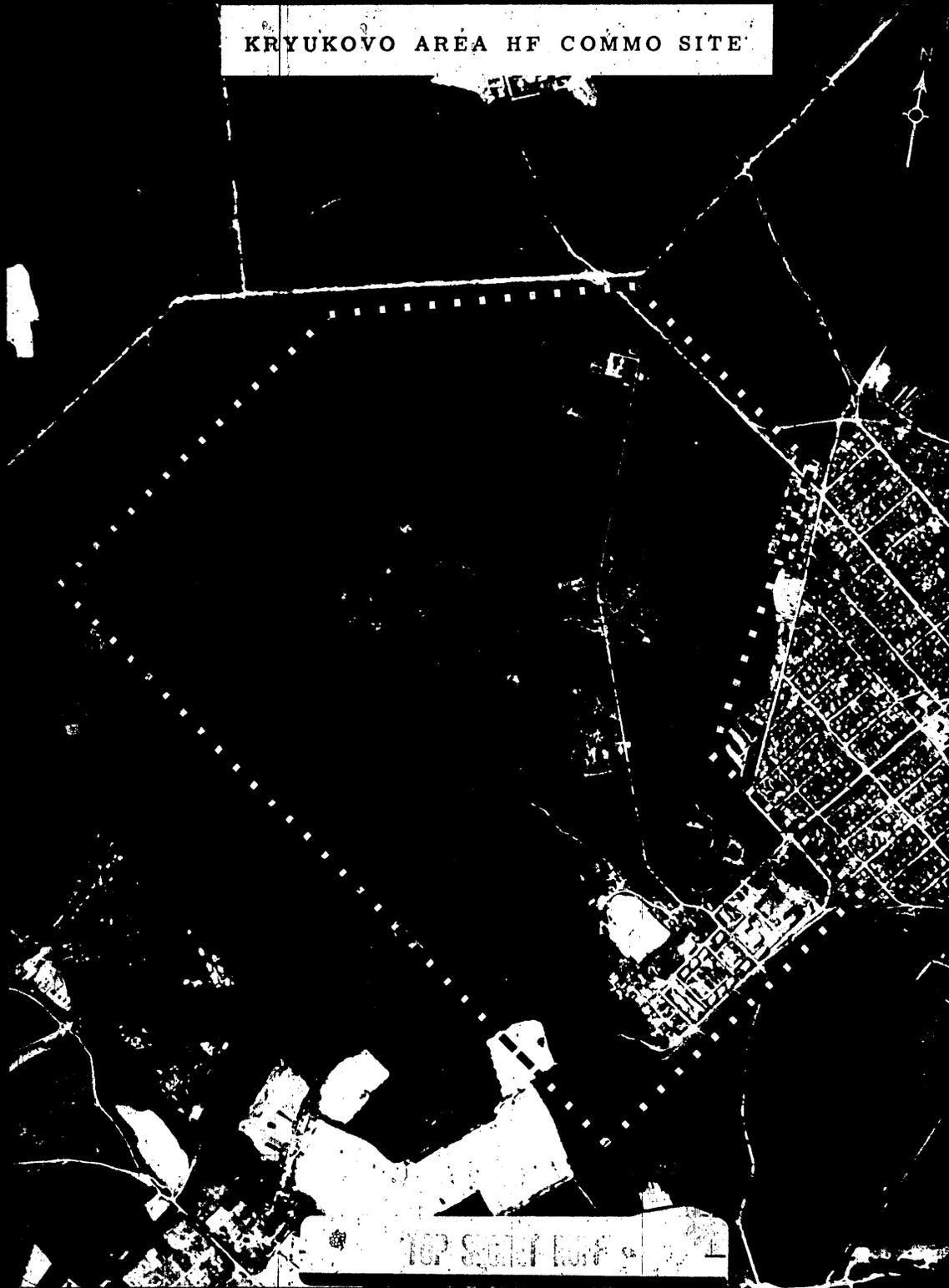
Prior Report

TOP SECRET RUFF

S-16416

S-16417

KRYUKOVO AREA HF COMMO SITE



TOP SECRET RUS

S-16416  
S-16417

TOP SECRET RUFF

Installation MOSCOW RADIO STATION TARASOVKA 25X1A

Coordinates 5558N - 3748E [REDACTED]

Location 14.5 nm NNE of Moscow

Description This station consists of at least two lattice towers, an undetermined number of small masts, a control building and at least six support buildings

25X1D

Photo Reference [REDACTED]

Map Reference Item 9 Photo Enlargement 20 x Prior Report PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW RADIO STATION TARASOVKA



S-16416  
S-16417

TOP SECRET RUFF

Installation

NIKOLSKOYE AREA HF COMMO SITE

Coordinates

5557N - 3627E

Location

41.5 nm WNW of Moscow

Description

This site consists of three large stations all connected by a common road. Station A consists of at least 33 rhombic antennas and a control building. Station B consists of 31 rhombic antennas and a control building. Station C consists of at least 32 rhombic antennas 11 dipole antennas and a control building. Support area contains 30 buildings

Photo Reference



25X1D

Map Reference

Item 10

Photo Enlargement

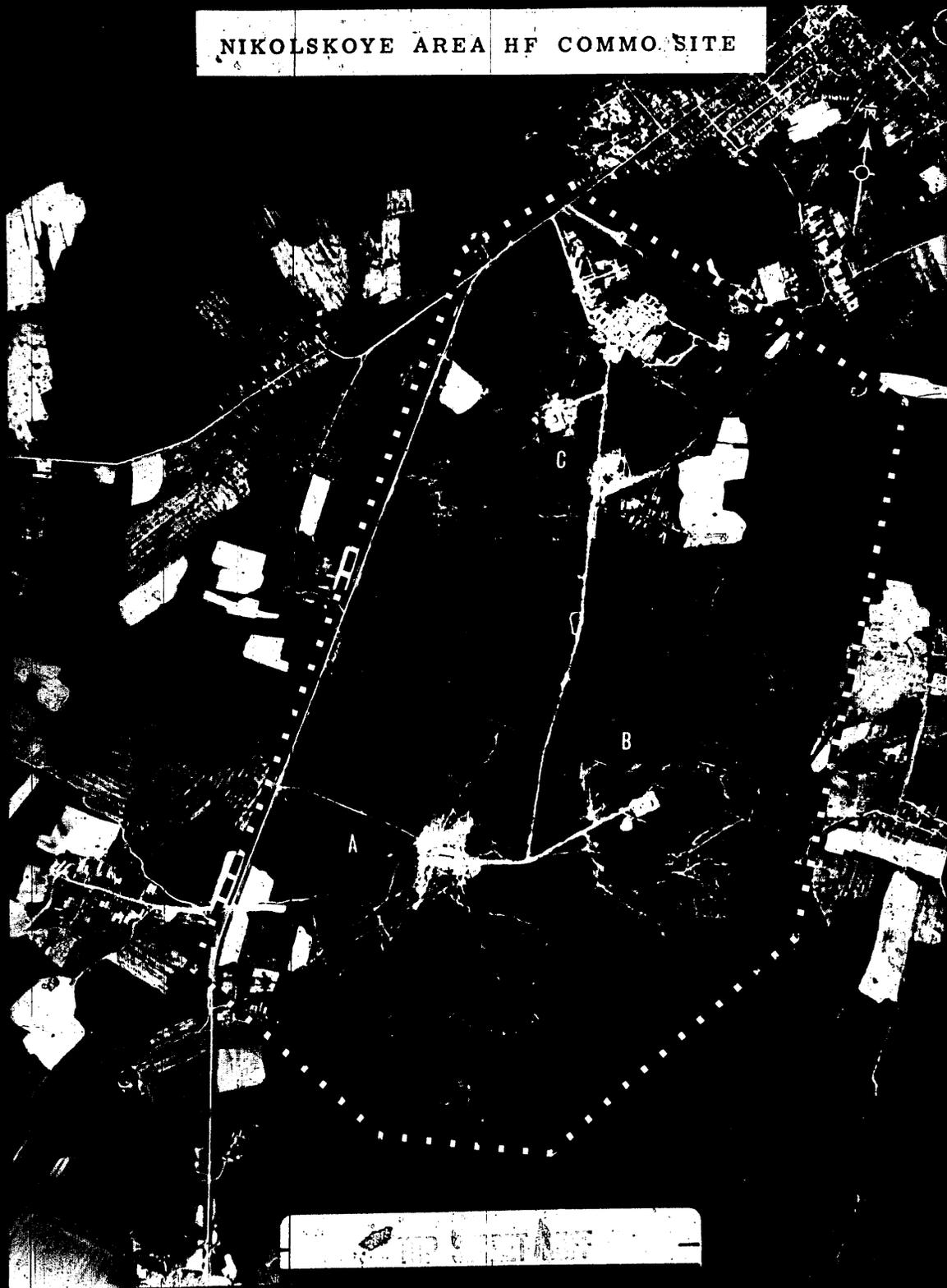
10 x

For Report

TOP SECRET RUFF

S-1647  
S-16417

NIKOLSKOYE AREA HF COMMO SITE



NIKOLSKOYE AREA HF COMMO SITE

S-164 6  
S-164 17

TOP SECRET RUFF

Installation

BELYANIŃOVO RADIO STATION

Coordinates

5556N - 3740E

Location

12 nm North of Moscow

Description

This site consists of three separate stations. Each station contains a central control building and is joined to the others by a common road. At least 30 rhombic antenna patterns are visible. Support area contains at least 35 buildings.

25X1D

Photo Reference

Map Reference  
Item 11

Photo Enlargement  
10 x

Prior Report  
PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

BELYANINOVO RADIO STATION



S-16416  
S-16417

TOP SECRET RUFF

Installation

MYTISHCHI RADIO STATION

Coordinates

5555N - 3744E

Location

11.5 nm NE of Moscow

Description

This station consists of at least two lattice towers, possibly six stick masts, a central control building and at least six support buildings

25X1D

Photo Reference



Map Reference

Item 12

Photo Enlargement

20 x

for Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416

S-16417

25X1D

MYTISHCHI RADIO STATION

THE PROGRAM RUFF

12



S-16416  
 S-16417

TOP SECRET RUFF

**Installation**

MOSCOW RADIO STATION SHCHELKOVO

**Coordinates**

5554N - 3804E

**Location**

17.5 nm NE of Moscow

**Description**

This station contains five possible lattice masts, numerous stick masts, a central control building and approximately 12 support buildings.

25X1D

**Photo Reference**



**Map Reference**

Item 13

**Photo Enlargement**

20 x

**For Report**

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW RADIO STATION SHCHELKOVO



S-164 6  
S-164 7

TOP SECRET RUFF

Installation

MOSCOW/KHIMKI RADIO STATION

Coordinates

5552N - 3724E

Location

11 nm NW of Moscow

Description

This station consists of an antenna field, a control building and a support area containing at least 15 associated buildings

25X1D

Photo Reference



Map Reference

Item 14

Photo Enlargement

20 x

er Report

PIC/JR-8/59

TOP SECRET RUFF

S-1646  
S-1647

MOSCOW/KHIMKI RADIO STATION



25X1D

S-16416  
S-16417

TOP SECRET RUFF

Installation

DEDOVSK RADIO STATION

Coordinates

5551N - 3706E

Location

19 nm NW of Moscow

Description

This station consists of an antenna field in a circular pattern around a central control building. Support area immediately east of the antenna field contains at least 20 structures

25X1D

Photo Reference



Map Reference

Item 15

Photo Enlargement

20 x

or Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

25X1D

DEDOVSK RADIO STATION



DEDOVSK RADIO STATION

S-164.6  
 S-164.17

TOP SECRET RUFF

Installation

NOGINSK RADIO STATION No. 2

25X1A

Coordinates

5550N - 3820E

Location

25.5 nm ENE of Moscow

Description

This station consists of at least two large guyed masts, a control building and six associated structures

25X1D

Photo Reference

Map Reference

Item 16

Photo Enlargement

20 x

or Report

PIC/JR-8/59

TOP SECRET RUFF

S-164 16  
S-164 17

NOGINSK RADIO STATION NO. 2



SECRET

S-16416  
S-16417

TOP SECRET RUFF

Installation

NOGINSK RADIO STATION No. 1

25X1A

Coordinates

5550N - 3822E

Location

26.5 nm ENE of Moscow

Description

This station consists of three four-stacked parasitic arrays on self-supporting lattice towers, at least two two-stacked parasitic arrays on self-supporting lattice towers, three additional lattice towers, two tall towers, a large cooling pond, a control building and at least six associated buildings

Photo Reference

25X1D

Map Reference

Item 17

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

17

NOGINSK RADIO STATION NO. 1



S-164 6  
 S-161 17

TOP SECRET RUFF

Installation

OKTYABR'SKIY ANTENNA FARM

25X1A

Coordinates

5547N - 3729E

Location

5 nm WNW of the Kremlin

Description

This station consists of numerous tall masts, two control buildings and at least 30 associated structures

25X1D

Photo Reference

Map Reference

Item 18

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

OKTYABR'SKIY ANTENNA FARM



25X1D

S-16416  
S-16417

TOP SECRET RUFF

Installation

MOSCOW RADIO STATION

Coordinates

5547N - 3745E

B.E.

Location

4.7 nm NW of the Kremlin

Description

This station consists of at least three stick masts and a control building. No support is evident.

25X1D

Photo Reference



Map Reference

Item 19

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW RADIO STATION



S-16416  
S-16417

TOP SECRET RUFF

Installation ELEKTROSTAL RADIO STATION/NOGINSK RADIO STATION No. 3

Coordinates 5547N - 3825E [REDACTED] 25X1A

Location 27.5 nm West of Moscow

Description This station consists of four guyed masts in a line, a control building and approximately 15 associated buildings

25X1D

Photo Reference [REDACTED]

Map Reference

Item 20

Photo Enlargement 20 x

Report PIC/JR-8/59\*

TOP SECRET RUFF

S-16416  
S-16417

ELEKTROSTAL RADIO STATION/NOGINSK



TOP SECRET

S-16416  
S-16417

TOP SECRET RUFF

Installation

MOSCOW RADIO STATION

Coordinates

5546N - 3733E

B.E.

Location

2.5 nm West of the Kremlin

Description

This station consists of one possible tall mast, possibly numerous stick masts and a central control building. Probable support area contains six structures

25X1D

Photo Reference



Map Reference

Item 21

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59



TOP SECRET RUFF

S-16416  
S-16417

MOSCOW RADIO STATION



25X1D

8-16416  
85-16417

TOP SECRET RUFF

Installation

MOSCOW RADIO STATION 25X1A

Coordinates

5545N - 3740E

Location

1.5 nm East of the Kremlin

Description

This station consists of at least three towers and three support buildings

25X1D

Photo Reference

Map Reference

Item 22

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW RADIO STATION



S-16416  
S-16417

TOP SECRET RUFF

Installation

MOSCOW/CHERNOYE RADIO STATION

Coordinates

5545N - 3803E

Location

15 nm East of Moscow

Description

This station consists of an antenna field, a central control building and four support buildings

25X1D

Photo Reference



Map Reference

Item 23

Photo Enlargement

20 x

Color Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

MOSCOW/CHERNOYE RADIO STATION

23



S-16416  
S-16417

TOP SECRET RUFF

Installation KUPAVNA ANTENNA FARM

Coordinates 5545N - 3806E B.E.

Location 17 km East of Moscow

Description This station consists of four tall masts and an undetermined number of small masts, a control building and 28 associated support buildings

25X1D

Photo Reference



Map Reference

Item 24

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

KUPAVNA ANTENNA FARM

24



S-16416  
S-16417

L4171-S  
21771-S

TOP SECRET RUFF

Installation

NOGINSK RADIO STATION No. 4

25X1A

Coordinates

5544N - 3809E

[REDACTED]

Location

18 nm East of Moscow

Description

This station consists of an antenna field, control building and at least 40 associated buildings

25X1D

Photo Reference

[REDACTED]

Map Reference

Photo Enlargement

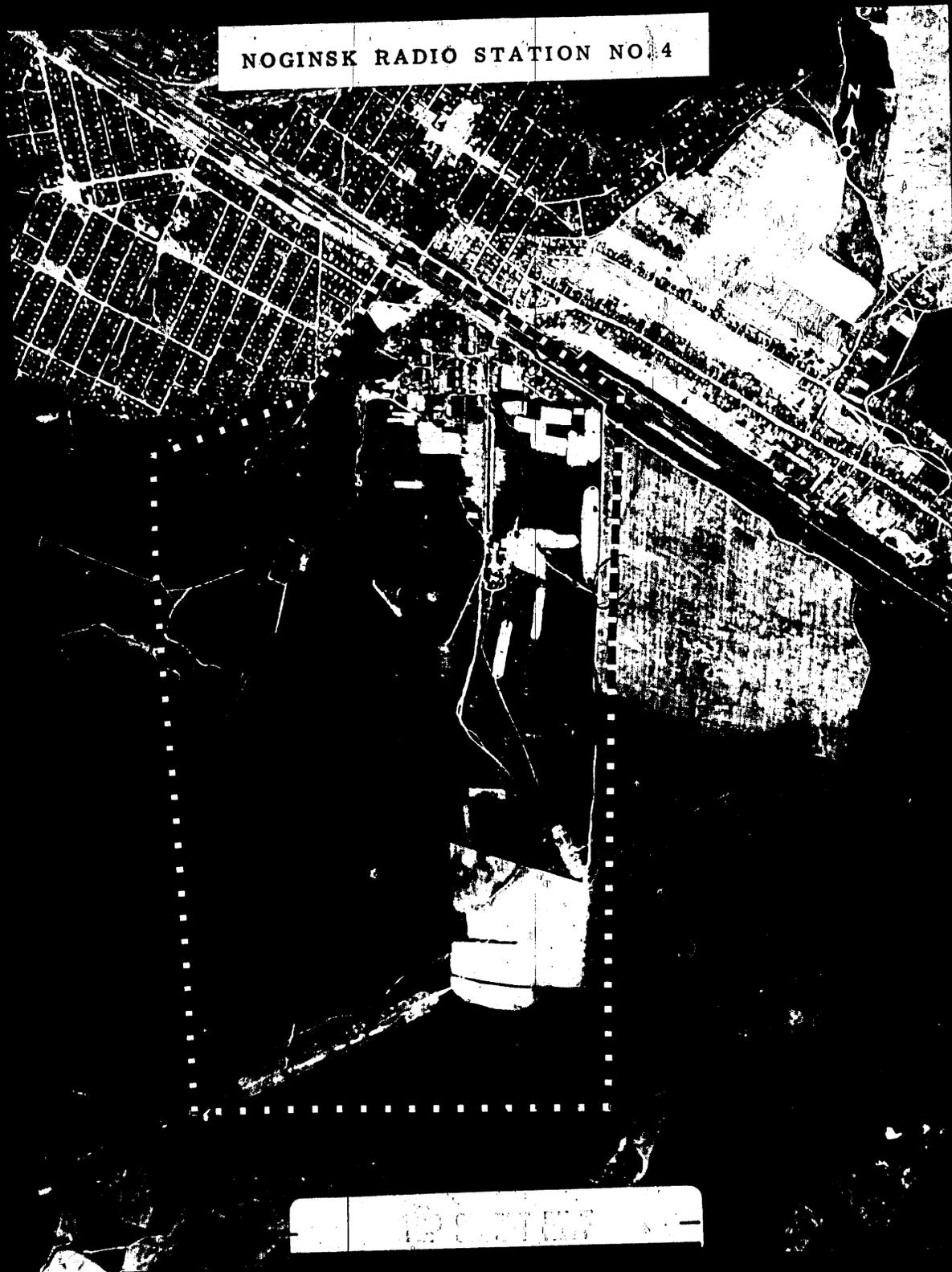
Report

Item 25

20 x

TOP SECRET RUFF

NOGINSK RADIO STATION NO. 4



SECRET

S-16416  
S-16417

TOP SECRET RUFF

Installation

MOSCOW TELEVISION TRANSMITTING STATION

Coordinates

5543N - 3736E



25X1A

Location

1.5 nm South of the Kremlin

Description

This station consists of two self-supporting lattice towers and at least 12 associated buildings

25X1D

Photo Reference



Map Reference

Item 26

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

5-16416  
5-16417

MOSCOW TELEVISION TRANSMITTING STATION



S-16416  
S-16416

TOP SECRET RUFF

Installation TOLSTOPALTSEVO ANTENNA FARM

Coordinates 5537N - 3713E

B.E.

Location 16 nm WSW of Moscow

Description This station consists of at least two rhombic antennas and four guyed towers around a central control building

25X1D

Photo Reference



Map Reference

Item 27

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

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S-16417

TOLSTOPALTSEVO ANTENNA FARM

27



S-16416  
S-16417

TOP SECRET RUFF

Installation

TEPLY STAN ANTENNA FARM

Coordinates

5537N - 3731E ?

25X1A

Location

8.5 nm SSE of Moscow

Description

This station consists of an antenna field and approximately 12 associated buildings

25X1D

Photo Reference

Map Reference

Item 28

Photo Enlargement  
20 x

Prior Report  
PIC/JR-8/59

TOP SECRET RUFF

S-10416  
S-10417

Wt+06

TEPLY STAN ANTENNA FARM



TOP SECRET RUFF

S-16416  
S-16417

TOP SECRET RUFF

Installation MOSCOW RADIO STATION No. 16 (Bykovo)

Coordinates 5537N - 3805E [REDACTED] 25X1A

Location 17 nm. ESE of Moscow

Description This station consists of one tall mast, a central control building, at least six small masts and five associated buildings.

25X1D

Photo Reference [REDACTED]

Map Reference Photo Enlargement 20 x Prior Report PIC/JR-8/59  
Item 29

TOP SECRET RUFF

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S-16417

29

MOSCOW RADIO STATION NO. 16 (BYKOVO)



S-16416  
S-16417

TOP SECRET RUFF

Installation

GOLITSYNO AREA HF COMMO SITE

Coordinates

5536N - 3703E

Location

22 nm SW of Moscow

Description

This station consists of 34 fishbone antennas, 12 rhombic antennas, two control buildings and at least 30 associated support buildings

25X1D

Photo Reference



Map Reference

Item 30

Photo Enlargement  
10 x

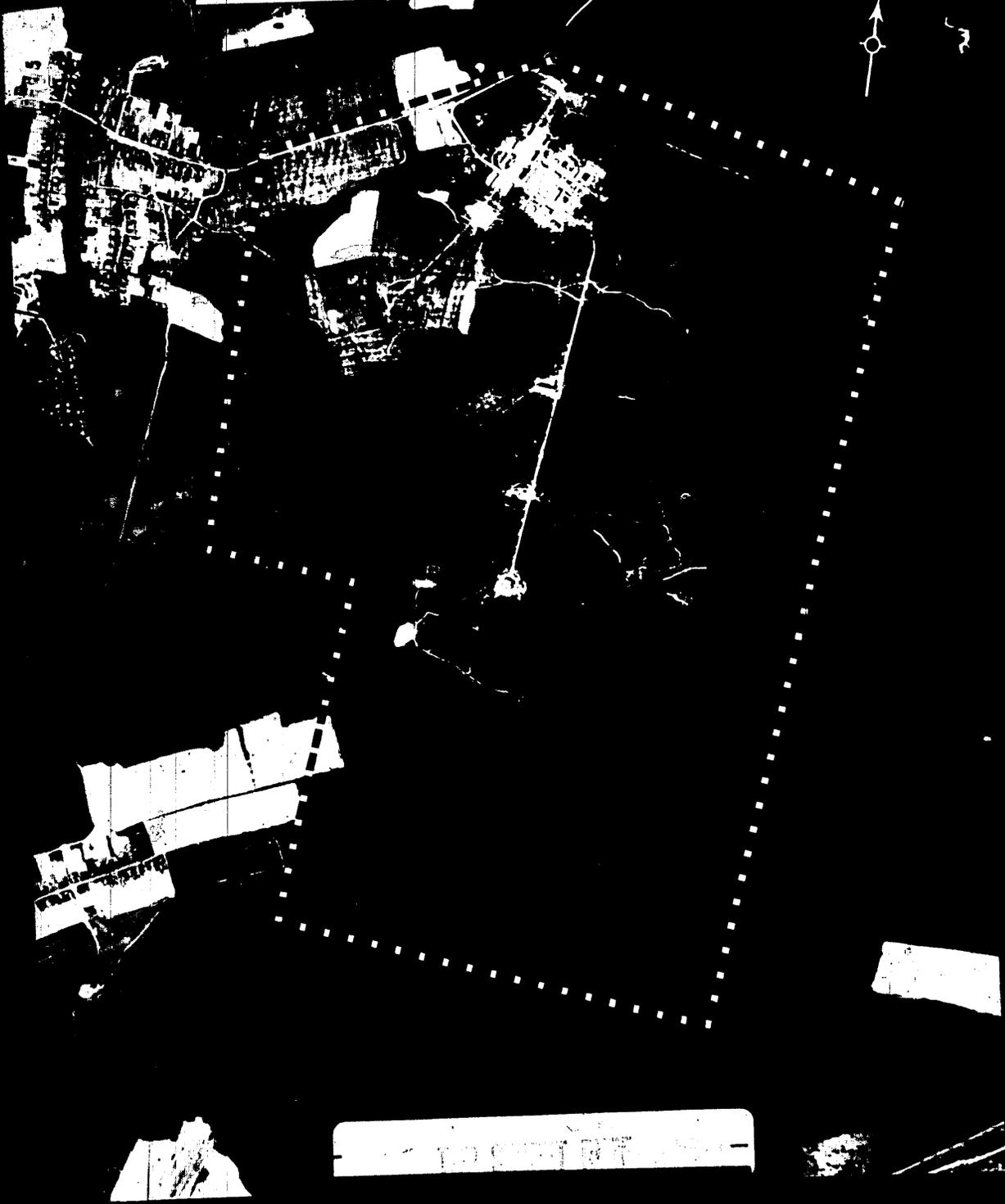
Factor Report  
NPIC/R-150/62

TOP SECRET RUFF

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30

GOLITSYNO AREA HF COMMO SITE



S-16416  
S-16417

TOP SECRET RUFF

Installation

PEREDEL' TSY RADIO STATION

Coordinates

5536N - 3721E

B.E.

Location

13 nm SW of Moscow.

Description

This station consists of two tall masts in an open field and at least six support buildings

25X1D

Photo Reference



Map Reference

Item 31

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

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S-16417

PEREDEL'TSY RADIO STATION

31



25X1D

PHOTO

S-16416  
S-16417

TOP SECRET RUFF

Installation

GOLITSYNO RADIO STATION

25X1A

Coordinates

5535N - 3701E

Location

23.5 nm SW of Moscow

Description

This station consists of an antenna field, control building and 15 support structures

25X1D

Photo Reference

Map Reference

Item 32

Photo Enlargement

10 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16411

GOLITSYNO RADIO STATION



S-16416  
S-16417

TOP SECRET RUFF

Installation BIRYULEVO ANTENNA FARM 25X1A

Coordinates 5535N - 3741E 

Location 10 nm South of Moscow

Description This station consists of two tall masts, two dipoles, a T-shaped control building and at least 12 associated buildings

25X1D<sup>o</sup>

Photo Reference 

Map Reference

Item 33

Photo Enlargement

20 x

Prior Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

BIRYULEVO ANTENNA FARM



33



S-16416  
S-16417

TOP SECRET RUFF

Installation

OREKHOVO-ZUYEVO HF COMMO SITE

25X1A

Coordinates

5535N - 3909E

B.E. [REDACTED]

Location

53 nm ESE of Moscow

Description

This station consists of at least 54 rhombic antennas, two possible curtain arrays, three control buildings and a support area containing approximately 15 associated buildings

25X1D

Photo Reference

[REDACTED]

Map Reference

Photo Enlargement

Prior Report

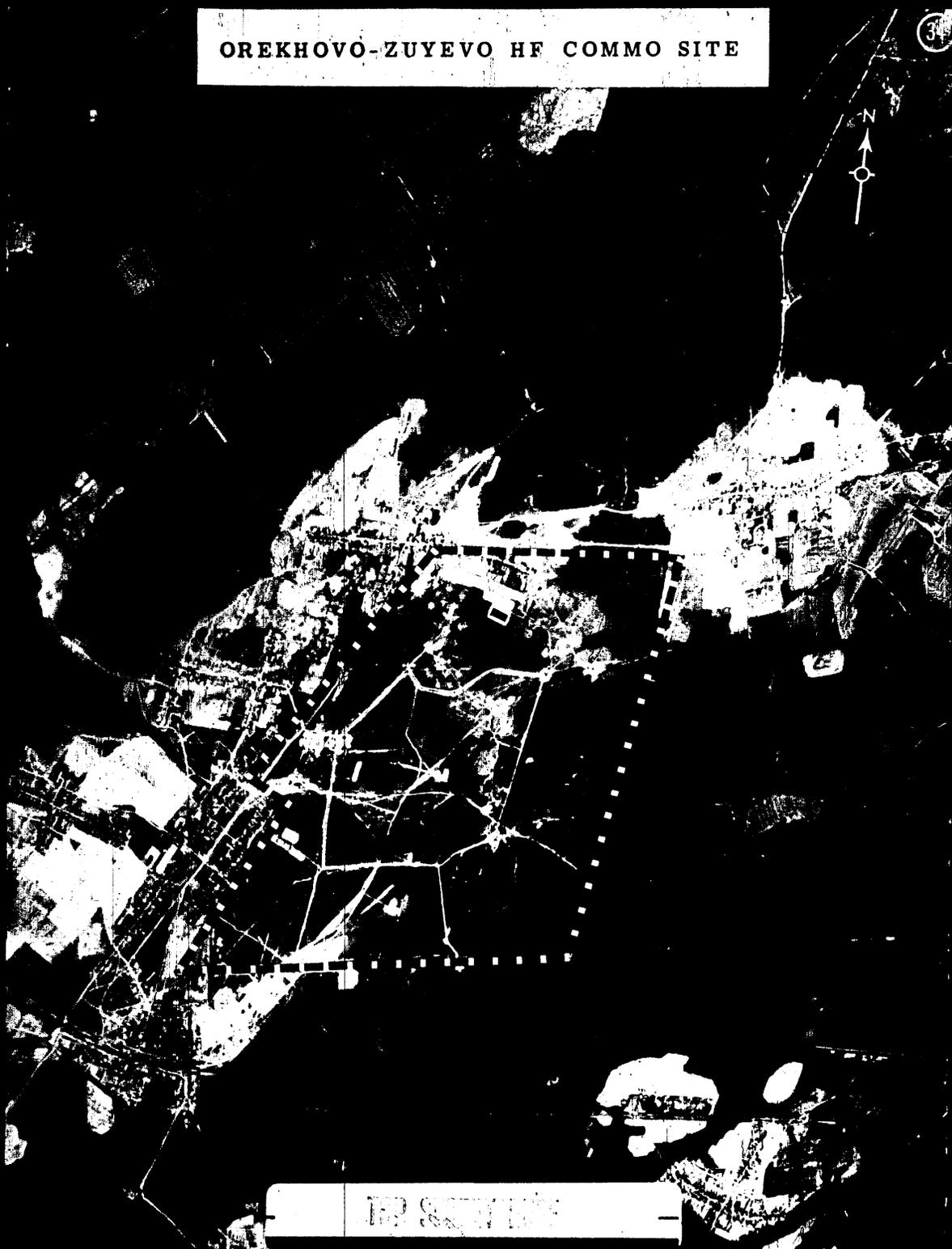
Item 34

10 x

TOP SECRET RUFF

S-16416  
S-16417

OREKHOVO-ZUYEVO HF COMMO SITE



TOP SECRET

S-16416  
S-16417

TOP SECRET RUFF

Installation KOMMUNARKA ANTENNA FARM / MOSCOW RADIO STATION No. 13

Coordinates 5534N - 3729E [REDACTED] 25X1A

Location 12.5 nm SSW of Moscow

Description This station consists of an undetermined number of masts, a control building and at least six associated buildings

25X1D

Photo Reference [REDACTED]

Map Reference Item 35 Photo Enlargement 20 x Prior Report PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

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KOMMUNARKA ANTENNA FARM/MOSCOW  
RADIO STATION NO. 13



S-16416  
S-16417

TOP SECRET RUFF

Installation BUTOVO HF COMMO SITE 25X1A

Coordinates 5532N - 3733E B.E. [REDACTED]

Location 13 nm South of Moscow

Description This station consists of at least 14 fishbone antennas, a control building and at least 10 associated buildings

25X1D

Photo Reference [REDACTED]

Map Reference Item 36 Photo Enlargement 20 x Prior Report PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

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BUTOVO HF COMMO SITE



TOP SECRET

S-16416  
S-16417

TOP SECRET RUFF

**Installation** RAMENSKOYE AREA HF COMMO SITE

**Coordinates** 5531N - 3803E B.F.

**Location** 19.5 nm SE of Moscow

**Description** This station consists of 15 rhombic antennas, at least 10 fishbone antennas, two control buildings and 10 associated buildings

25X1D

**Photo Reference**



**Map Reference**  
Item 37

**Photo Enlargement**  
20 x

**Prior Report**

TOP SECRET RUFF

S-16416

RAMENSKOYE AREA HF COMMO SITE

37



S-16416  
S-16417

TOP SECRET RUFF

Installation MOSCOW/VATUTINKI HF COMMO CENTER

Coordinates 5530N - 3721E B. 3.

Location 18.5 nm SW of Moscow

Description This center consists of four separate stations each with a control building surrounded by an antenna pattern. The center contains at least 37 rhombic antennas and at least 31 fishbone antennas. The support area consists of approximately 65 buildings

Photo Reference



25X1D

Map Reference

Item 38

Photo Enlargement

10 x

Pr. or Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

38

MOSCOW/VATUTINKI HF COMMO CENTER



S-16416  
S-16417

TOP SECRET RUFF

Installation

DOMODEDOVO ANTENNA FARM

Coordinates

5528N - 3745E

Location

17 nm South of Moscow

Description

This station consists of an antenna field, a control building and approximately 25 associated buildings

25X1D

Photo Reference



Map Reference

Item 39

Photo Enlargement

20 x

Field Report

PIC/JR-8/59

TOP SECRET RUFF

S-16416  
S-16417

DOMODEDOVO ANTENNA FARM

39



S-16416  
S-16417

TOP SECRET RUFF

Installation

NARO-FOMINSK HF COMMO SITE

Coordinates

5520N - 3647E E. E.

Location

37.5 nm SW of Moscow

Description

This site consists of three separate stations. Station A consists of at least 10 fishbone antennas in an arc around a central control building. Station B consists of 14 fishbone antennas and a central control building. Station C consists of 17 fishbone antennas and a central control building. The support area contains approximately 35 associated buildings

Photo Reference



25X1D

Map Reference

Item 40

Photo Enlargement

10 x

Prior Report

TOP SECRET RUFF

S-16416  
S-16417

NARO-FOMINSK HF COMMO SITE

400

N

B

A

C

25X1

S-16416  
S-16417

TOP SECRET RUFF

Installation

PODOL'SK AREA HF COMMO SITE

Coordinates

5518N - 3735E

Location

26.5 nm South of Moscow

Description

This station consists of approximately 36 fishbone antennas, three rhombic antennas, 16 stick masts and two control buildings. The support area contains at least 35 associated buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement

For Report

Item 41

10 x

TOP SECRET RUFF

S-16416  
S-16417

PODOL'SK AREA HF COMMO SITE



TOP SECRET RUFF

S-16416  
S-16417

TOP SECRET RUFF

Installation

BELIYE STOLBY AREA MF COMMO SITE

Coordinates

5518N - 3749E E 3.

Location

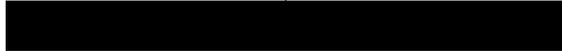
27 nm SSE of Moscow

Description

This site consists of one possible micro-wave tower, one possible medium frequency vertical radiator and three support buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement      Plot Report

Item 42

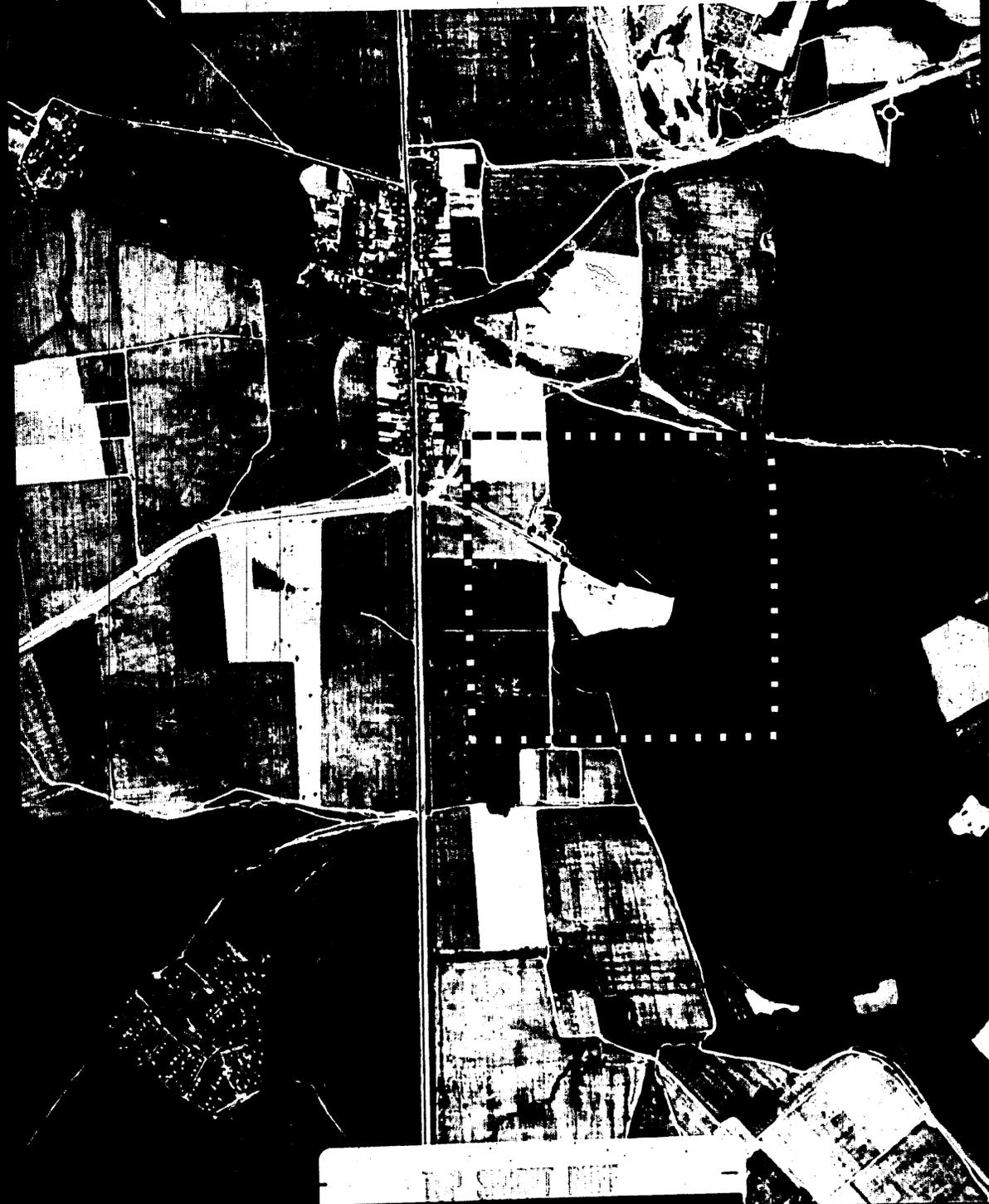
20 x

TOP SECRET RUFF

S-16416

BELYYE STOLBY AREA MF COMMO SITE

42



TOP SECRET PHOTO

416  
417  
Approved For Release

TOP SECRET RUFF

Installation PODOL'SK AREA HF COMMO SITE

Coordinates 5517N - 3733E E 3.

Location 25.5 nm South of Moscow

Description This station consists of at least 23 rhombic antennas and five fish-bone antennas located in a circular pattern around a control building. Support area consists of six associated buildings.

25X1D

Photo Reference



Map Reference

Item 43

Photo Enlargement

20 x

Editor Report

TOP SECRET RUFF

5-16416  
5-16417

Next 3 Page(s) In Document Exempt

PODOL'SK AREA HF COMMO SITE



TOP SECRET RATE

S-16416  
 S-16417

TOP SECRET RUFF

Installation BARYBINO HF COMMO SITE

Coordinates 5516N - 3756E B.E.

Location 31 nm SSE of Moscow

Description This station consists of at least 21 rhombic antennas and an undetermined number of possible antenna patterns. The support area, immediately to the north of the site, contains at least 15 buildings

Photo Reference

[Redacted] 25X1D

Map Reference

Photo Enlargement Prior Report

Item 44

10 x

TOP SECRET RUFF

S-16416  
S-16417

BARYBINO HF COMMO SITE



TOP SECRET UNIT

S-16416

S-16417

TOP SECRET RUFF

Installation BARYBINO AREA HF COMMO SITE

Coordinates 5512N - 3741E B.E.

Location 33 nm South of Moscow

Description This station consists of two rhombic antennas and possibly four dipole antennas. The support area contains at least 30 buildings

25X1D

Photo Reference

Map Reference  
Item 45

Photo Enlargement  
20 x

Prior Report

TOP SECRET RUFF

S-16416

S-16417

BARYBINO AREA HF COMMO SITE

45



IR SITE

S-16416  
S-16417

TOP SECRET RUFF

Installation

OBINSK AREA RADIO BROADCAST STATION

Coordinates

5506N - 3636E

B.E.

Location

51.5 nm SW of Moscow

Description

This station consists of one equal cross section guyed vertical radiator approximately 1,000 ft. high, and at least three associated buildings

25X1D

Photo Reference



Map Reference

Photo Enlargement

Prior Report

Item 46

20 x

TOP SECRET RUFF

S-16416

S-16417

UBINSK AREA RADIO BROADCAST STATION



S-16416  
S-16417

TOP SECRET RUFF

**Installation** BARANTSEVO HF COMMO SITE

**Coordinates** 5504N - 3739E B. 3.

**Location** 46 nm South of Moscow

**Description** This station consists of at least 25 fishbone antennas and a central control building. Support area contains at least 60 buildings

25X1D

**Photo Reference**

**Map Reference**  
Item 47

**Photo Enlargement**  
10 x

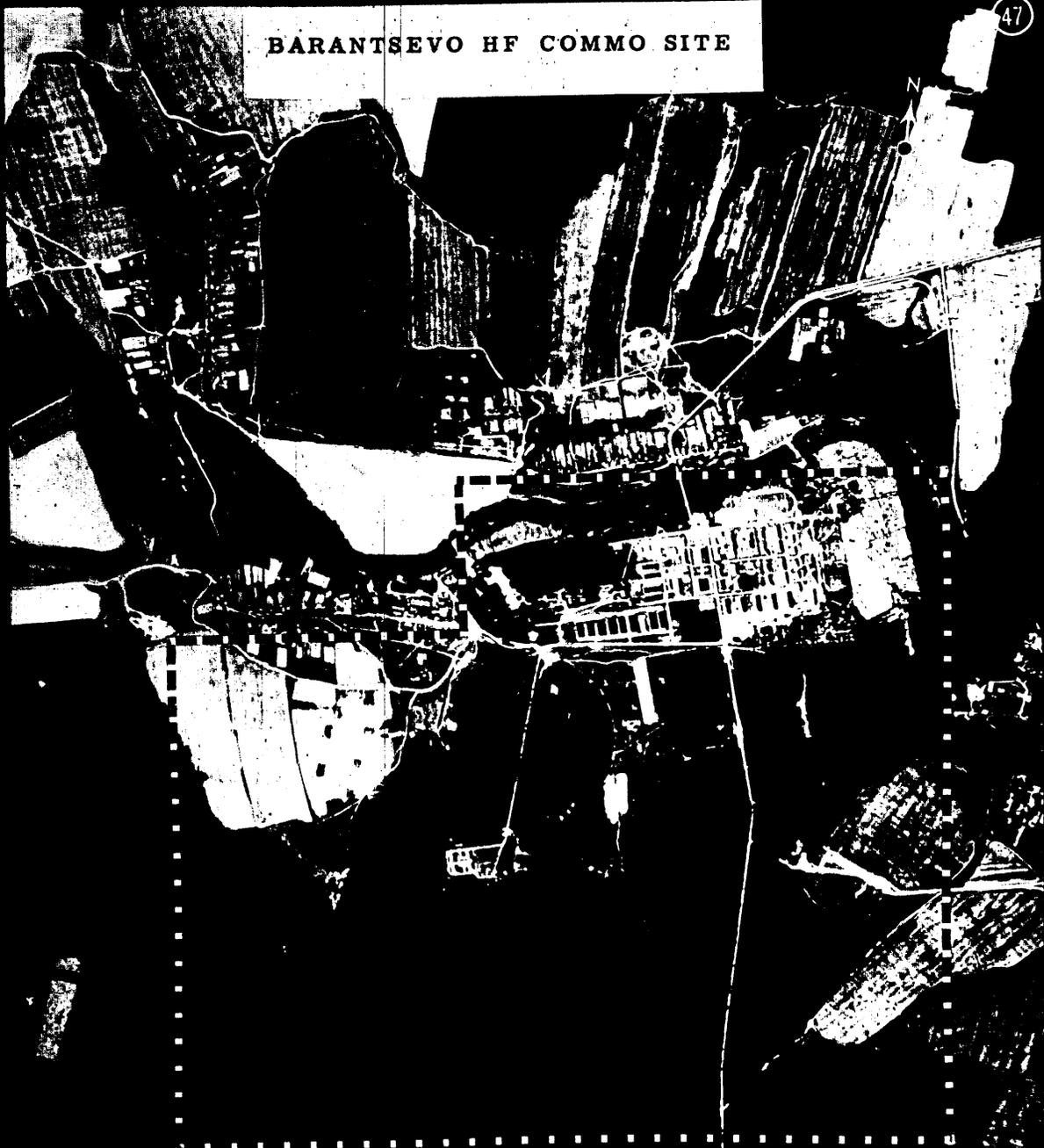
**Prior Report**

TOP SECRET RUFF

S-16416  
S-16417

BARANTSEVO HF COMMO SITE

47



TOP SECRET

S-16416  
S-16417

ILLEGIB

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